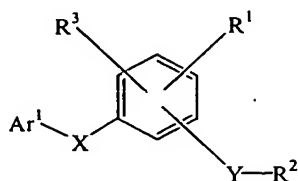


WHAT IS CLAIMED IS:

1. A compound having the formula (I):



wherein

Ar¹ is a member selected from the group consisting of substituted or unsubstituted 2-benzothiazolyl and substituted or unsubstituted quinolinyl;

X is selected from the group consisting of -O-, -C(O)-, -CH(R¹⁰)-, -N(R¹¹)-, and -S(O)_k-;

wherein

R¹⁰ is a member selected from the group consisting of hydrogen, cyano and (C₁-C₄)alkyl;

R¹¹ is a member selected from the group consisting of hydrogen and (C₁-C₈)alkyl, and the subscript k is an integer of from 0 to 2; with the proviso that when Ar¹ is a substituted or unsubstituted 2-benzothiazolyl, then X is other than -S(O)_k-;

Y is -N(R¹²)-S(O)₂-;

wherein

R¹² is a member selected from the group consisting of hydrogen and (C₁-C₈)alkyl;

R¹ is a member selected from the group consisting of hydrogen, (C₂-C₈)heteroalkyl, halogen, (C₁-C₈)alkyl, (C₁-C₈)alkoxy, -C(O)R¹⁴, -CO₂R¹⁴, -C(O)NR¹⁵R¹⁶, -S(O)_p-R¹⁴, -S(O)_q-NR¹⁵R¹⁶, -O-C(O)-R¹⁷ and -N(R¹⁴)-C(O)-R¹⁷;

wherein

R¹⁴ is a member selected from the group consisting of hydrogen, (C₁-C₈)alkyl, (C₂-C₈)heteroalkyl, aryl and aryl(C₁-C₄)alkyl;

R¹⁵ and R¹⁶ are members independently selected from the group consisting of hydrogen, (C₁-C₈)alkyl, (C₂-C₈)heteroalkyl, aryl, and aryl(C₁-

C₄)alkyl, or taken together with the nitrogen to which each is attached form a 5-, 6- or 7-membered ring;
R¹⁷ is a member selected from the group consisting of (C₁-C₈)alkyl, (C₂-C₈)heteroalkyl, aryl and aryl(C₁-C₄)alkyl;
the subscript p is an integer of from 0 to 3; and
the subscript q is an integer of from 1 to 2;
R² is substituted or unsubstituted aryl; and
R³ is a member selected from the group consisting of halogen and (C₁-C₈)alkoxy.

2. A compound of claim 1, wherein

Ar¹ is a substituted or unsubstituted 2-benzothiazolyl;

X is selected from the group consisting of -O- and -N(R¹¹)-;

Y is -NH-S(O)₂-;

R¹ is a member selected from the group consisting of hydrogen, halogen, (C₁-C₈)alkoxy, (C₁-C₈)alkyl, -CO₂R¹⁴ and -C(O)NR¹⁵R¹⁶;

wherein

R¹⁴ is a member selected from the group consisting of hydrogen, (C₁-C₈)alkyl, (C₂-C₈)heteroalkyl, aryl and aryl(C₁-C₄)alkyl;

R¹⁵ and R¹⁶ are members independently selected from the group consisting of hydrogen, (C₁-C₈)alkyl, (C₂-C₈)heteroalkyl, aryl, and aryl(C₁-C₄)alkyl, or taken together with the nitrogen to which each is attached form a 5-, 6- or 7-membered ring;

R² is substituted or unsubstituted phenyl; and

R³ is a member selected from the group consisting of halogen and (C₁-C₄)alkoxy.

3. A compound of claim 2, wherein R¹ is selected from the group consisting of halogen, cyano, (C₁-C₈)alkoxy, (C₁-C₈)alkyl, -CO₂R¹⁴ and -C(O)NR¹⁵R¹⁶ wherein R¹⁴ is (C₁-C₈)alkyl; R¹⁵ and R¹⁶ are independently selected from the group consisting of hydrogen and (C₁-C₈)alkyl, or taken together with the nitrogen to which each is attached form a 5- or 6-membered ring.

4. A compound of claim 2, wherein R¹ is selected from the group consisting of halogen, cyano, (C₁-C₈)alkoxy and (C₁-C₈)alkyl.

5. A compound of claim 2, wherein X is selected from the group consisting of -O- and -NH-.

6. A compound of claim 2, wherein R² is substituted phenyl having from 1 to 3 substituents independently selected from the group consisting of halogen, cyano, nitro, -OCF₃, -OH, -O(C₁-C₆)alkyl, -CF₃, (C₁-C₈)alkyl.

7. A compound of claim 2, wherein

X is selected from the group consisting of -O- and -NH-;

R¹ is a member selected from the group consisting of hydrogen, halogen, cyano, (C₁-C₈)alkoxy, (C₁-C₈)alkyl, -CO₂R¹⁴ and -C(O)NR¹⁵R¹⁶;

wherein

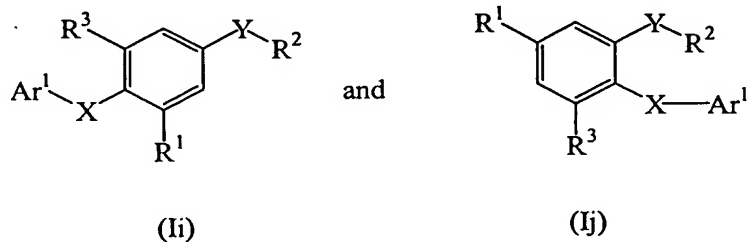
R¹⁴ is a member selected from the group consisting of hydrogen and (C₁-C₈)alkyl;

R¹⁵ and R¹⁶ are members independently selected from the group consisting of hydrogen and (C₁-C₈)alkyl, or taken together with the nitrogen to which each is attached form a 5-, 6- or 7-membered ring;

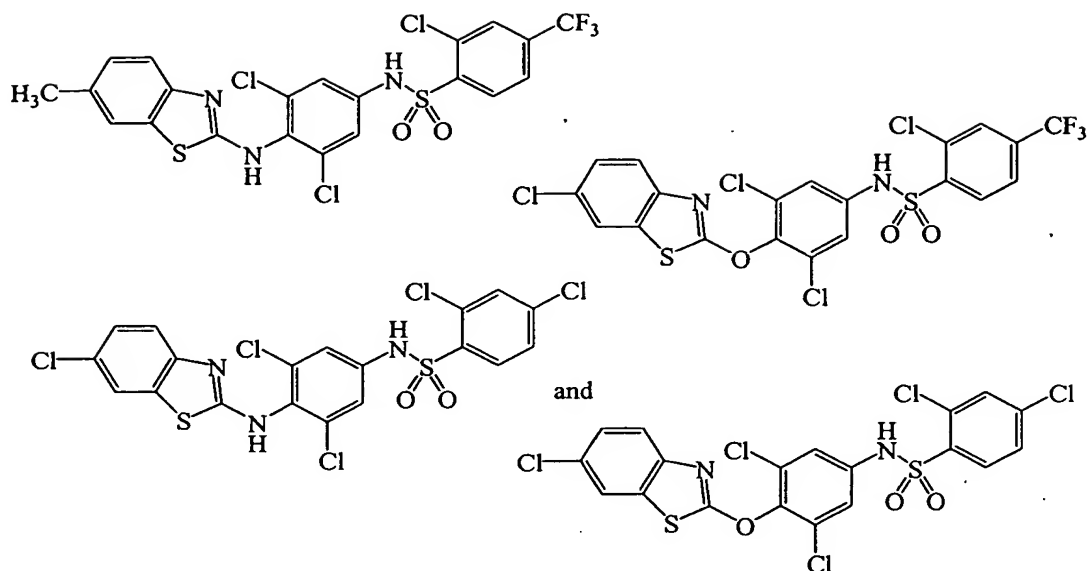
R² is substituted phenyl having from 1 to 3 substituents independently selected from the group consisting of halogen, cyano, nitro, -OCF₃, -OH, -O(C₁-C₆)alkyl, -CF₃, (C₁-C₈)alkyl; and

R³ is a member selected from the group consisting of halogen and (C₁-C₄)alkoxy.

8. A compound of claim 2, represented by a formula selected from the group consisting of



9. A compound of claim 2, selected from the group consisting of



10. A compound of claim 1, wherein

Ar¹ is a substituted or unsubstituted quinolinyl group;

X is selected from the group consisting of -O-, -S- and -N(R¹¹)-;

wherein R¹² is selected from the group consisting of hydrogen and (C₁-C₈)alkyl;

R¹ is a member selected from the group consisting of hydrogen, halogen, cyano, (C₁-C₈)alkoxy, (C₁-C₈)alkyl, -CO₂R¹⁴ and -C(O)NR¹⁵R¹⁶;

wherein

R¹⁴ is a member selected from the group consisting of hydrogen, (C₁-C₈)alkyl, (C₁-C₈)heteroalkyl, aryl and aryl(C₁-C₄)alkyl;

R¹⁵ and R¹⁶ are members independently selected from the group consisting of hydrogen, (C₁-C₈)alkyl, (C₂-C₈)heteroalkyl, aryl, and aryl(C₁-C₄)alkyl, or taken together with the nitrogen to which each is attached form a 5-, 6- or 7-membered ring;

R² is substituted or unsubstituted phenyl; and

R³ is a member selected from the group consisting of halogen and (C₁-C₈)alkoxy.

11. A compound of claim 10, wherein R¹ is selected from the group

consisting of halogen, cyano, (C₁-C₈)alkoxy, (C₁-C₈)alkyl, -CO₂R¹⁴ and -C(O)NR¹⁵R¹⁶

wherein R¹⁴ is (C₁-C₈)alkyl; R¹⁵ and R¹⁶ are independently selected from the group consisting of hydrogen and (C₁-C₈)alkyl, or taken together with the nitrogen to which each is attached form a 5- or 6-membered ring.

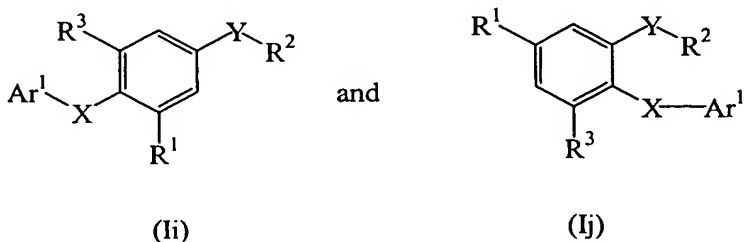
12. A compound of claim 10, wherein R¹ is selected from the group consisting of halogen, cyano, (C₁-C₈)alkoxy and (C₁-C₈)alkyl.

13. A compound of claim 10, wherein X is selected from the group consisting of -O-, -S- and -NH-.

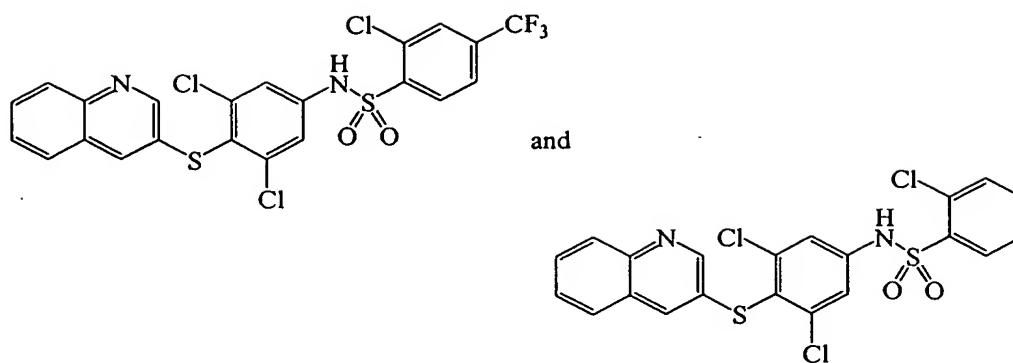
14. A compound of claim 10, wherein R² is substituted phenyl having from 1 to 3 substituents independently selected from the group consisting of halogen, cyano, nitro, -OCF₃, -OH, -O(C₁-C₆)alkyl, -CF₃, (C₁-C₈)alkyl.

15. A compound of claim 10, wherein
X is selected from the group consisting of -O-, -S- and -NH-;
R¹ is a member selected from the group consisting of hydrogen, halogen, cyano, (C₁-C₈)alkoxy, (C₁-C₈)alkyl, -CO₂R¹⁴ and -C(O)NR¹⁵R¹⁶;
wherein
R¹⁴ is a member selected from the group consisting of hydrogen and (C₁-C₈)alkyl;
R¹⁵ and R¹⁶ are members independently selected from the group consisting of hydrogen and (C₁-C₈)alkyl, or taken together with the nitrogen to which each is attached form a 5-, 6- or 7-membered ring;
R² is substituted phenyl having from 1 to 3 substituents independently selected from the group consisting of halogen, cyano, nitro, -OCF₃, -OH, -O(C₁-C₆)alkyl, -CF₃, (C₁-C₈)alkyl; and
R³ is a member selected from the group consisting of halogen and (C₁-C₄)alkoxy.

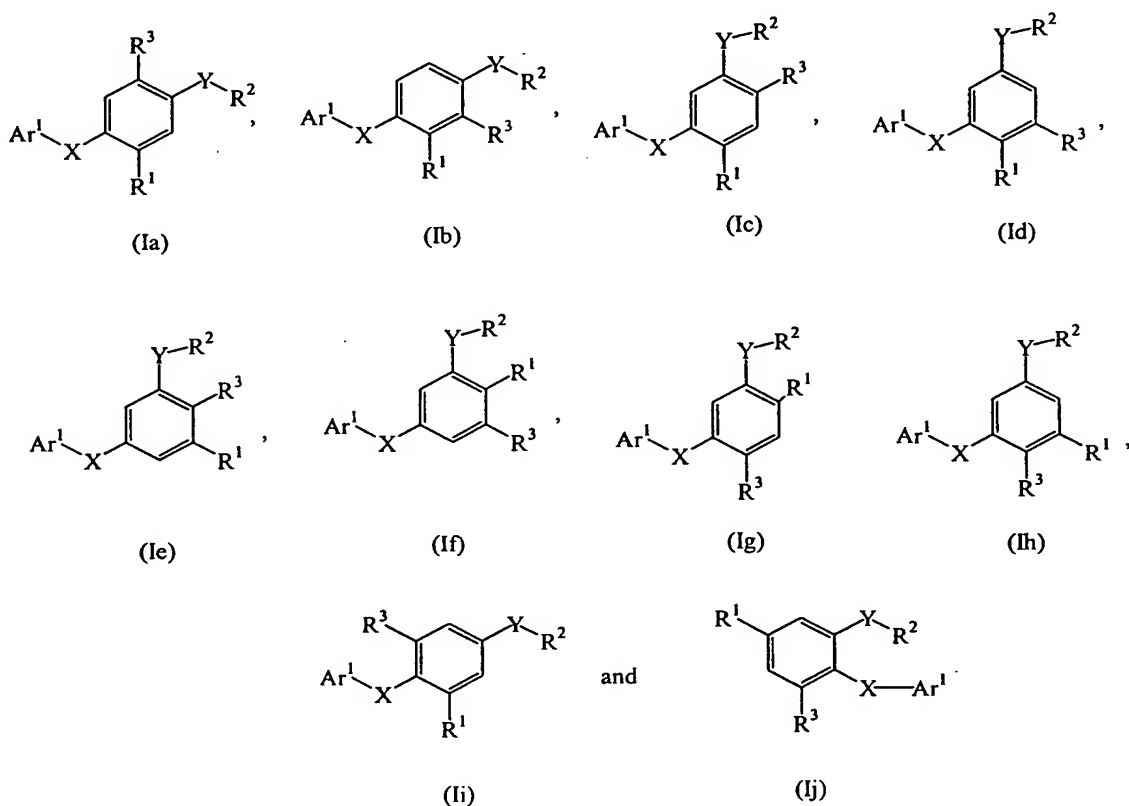
16. A compound of claim 10, represented by a formula selected from the group consisting of



17. A compound of claim 10, selected from the group consisting of



18. A compound of claim 1, wherein said compound is represented by a formula selected from the group consisting of



19. A composition comprising a pharmaceutically acceptable carrier or excipient and a compound of Claims 1-18.

20. A method for treating or preventing a metabolic disorder or an inflammatory condition, comprising administering to a subject in need thereof a therapeutically effective amount of a compound of Claims 1-18.

- 1 21. A method in accordance with Claim 20, wherein said subject is a
2 human.
- 1 22. A method in accordance with claim 20, wherein said administering is
2 oral.
- 1 23. A method in accordance with claim 20, wherein said administering is
2 parenteral.
- 1 24. A method in accordance with claim 20, wherein said administering is
2 topical.
- 1 25 A method in accordance with claim 20, wherein said metabolic
2 disorder is selected from the group consisting of diabetes, obesity, hypercholesterolemia,
3 hyperlipidemia, dyslipidemia, hypertriglyceridemia, hyperglycemia, insulin resistance and
4 hyperinsulinemia.
- 1 26. A method in accordance with claim 20, wherein said inflammatory
2 condition is selected from the group consisting of rheumatoid arthritis and atherosclerosis.
- 1 27. A method in accordance with claim 20, wherein said metabolic
2 disorder or inflammatory condition is mediated by PPAR γ .
- 1 28. A method for treating or preventing a condition or disorder mediated
2 by PPAR γ , comprising
3 administering to a subject in need thereof a therapeutically effective amount of
4 a compound of Claims 1-18.
- 1 29. A method in accordance with Claim 28, wherein said subject is a
2 human.
- 1 30. A method in accordance with claim 28, wherein said administering is
2 oral.
- 1 31. A method in accordance with claim 28, wherein said administering is
2 parenteral.

1 32. A method in accordance with claim 28, wherein said administering is
2 topical.

1 33. A method in accordance with claim 28, wherein said condition or
2 disorder is a metabolic disorder or an inflammatory condition.

1 34. A method in accordance with claim 33, wherein said metabolic
2 disorder is selected from the group consisting of diabetes, obesity, hypercholesterolemia,
3 hyperlipidemia, dyslipidemia, hypertriglyceridemia, hyperglycemia, insulin resistance and
4 hyperinsulinemia.

1 35. A method in accordance with claim 33, wherein said inflammatory
2 condition is selected from the group consisting of rheumatoid arthritis and atherosclerosis. .

1 36. A method for modulating PPAR γ , comprising
2 contacting a cell with a compound of Claims 1-18.

1 37. The method of Claim 36, wherein said compound is a PPAR γ
2 antagonist.

1 38. The method of Claim 36, wherein said compound is a PPAR γ agonist.